



```

RRRRRRRR      MM      MM      333333      XX      XX      SSSSSSSS      UU      UU      MM      MM      000000
RRRRRRRR      MM      MM      333333      XX      XX      SSSSSSSS      UU      UU      MM      MM      000000
RR      RR      MMMM      MMMM      33      33      XX      XX      SS      SS      UU      UU      MMMM      MMMM      00      00
RR      RR      MMMM      MMMM      33      33      XX      XX      SS      SS      UU      UU      MM      MM      00      00
RR      RR      MM      MM      33      33      XX      XX      SS      SS      UU      UU      MM      MM      00      00
RRRRRRRR      MM      MM      33      33      XX      XX      SSSSSS      UU      UU      MM      MM      00      00
RRRRRRRR      MM      MM      33      33      XX      XX      SSSSSS      UU      UU      MM      MM      00      00
RR      RR      MM      MM      33      33      XX      XX      SS      SS      UU      UU      MM      MM      00      00
RR      RR      MM      MM      33      33      XX      XX      SS      SS      UU      UU      MM      MM      00      00
RR      RR      MM      MM      33      33      XX      XX      SS      SS      UU      UU      MM      MM      00      00
RR      RR      MM      MM      33      33      XX      XX      SS      SS      UU      UU      MM      MM      00      00
RR      RR      MM      MM      333333      XX      XX      SSSSSSSS      UU      UU      MM      MM      000000
RR      RR      MM      MM      333333      XX      XX      SSSSSSSS      UUUUUUUUUU      MM      MM      000000

```

```

LL      IIIIII      SSSSSSSS
LL      IIIIII      SSSSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SSSSSS
LL      II      SSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LLLLLLLLLL      IIIIII      SSSSSSSS
LLLLLLLLLL      IIIIII      SSSSSSSS

```

```
1 0001 0 MODULE RM3XSUMO (LANGUAGE (BLISS32) ,
2 0002 0 IDENT = 'V04-000' ,
3 0003 0 ) =
4 0004 1 BEGIN
5 0005 1
6 0006 1 *****
7 0007 1 *
8 0008 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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24 0024 1 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
25 0025 1 *
26 0026 1 *
27 0027 1 *****
28 0028 1
29 0029 1 ++
30 0030 1
31 0031 1 FACILITY: RMS32 index sequential file organization
32 0032 1
33 0033 1 ABSTRACT:
34 0034 1
35 0035 1 Fills in the SUMMARY XAB
36 0036 1
37 0037 1
38 0038 1 ENVIRONMENT:
39 0039 1
40 0040 1 VAX/VMS operating system
41 0041 1
42 0042 1 --
43 0043 1
44 0044 1
45 0045 1 AUTHOR: D. M. BOUSQUET
46 0046 1 CREATION DATE: 17-JUL-78 16:40
47 0047 1
48 0048 1
49 0049 1 MODIFIED BY:
50 0050 1
51 0051 1 V03-003 MCN0002 Maria del C. Nasr 05-Apr-1983
52 0052 1 Routine RM$XSUMO needs its own linkage to preserve R4.
53 0053 1
54 0054 1 V03-002 MCN0001 Maria del C. Nasr 31-Mar-1983
55 0055 1 Reorganize linkages
56 0056 1
57 0057 1 V03-001 KBT0290 Keith B. Thompson 23-Aug-1982
```



```

: 58      0058 1  | Reorganize psects
: 59      0059 1  |
: 60      0060 1  | V02-004 REFORMAT      D M WALP      24-JUL-1980
: 61      0061 1  |
: 62      0062 1  | V02-003 CDS0001      C D SAETHER    13-MAR-1980
: 63      0063 1  |      return OK_NOP alt success if block i/o
: 64      0064 1  |
: 65      0065 1  | REVISION HISTORY:
: 66      0066 1  |
: 67      0067 1  |      Wendy Koenig,      24-OCT-78  14:03
: 68      0068 1  |      X0002 - make changes caused by sharing conventions
: 69      0069 1  |
: 70      0070 1  | *****
: 71      0071 1  |
: 72      0072 1  | LIBRARY 'RMSLIB:RMS';
: 73      0073 1  |
: 74      0074 1  | REQUIRE 'RMSSRC:RMSIDXDEF';
: 75      0139 1  |
: 76      0140 1  | ! define default psects for code
: 77      0141 1  |
: 78      0142 1  | PSECT
: 79      0143 1  |      CODE = RMSRMS3(PSECT_ATTR),
: 80      0144 1  |      PLIT = RMSRMS3(PSECT_ATTR);
: 81      0145 1  |
: 82      0146 1  | ! Linkages
: 83      0147 1  |
: 84      0148 1  | LINKAGE
: 85      0149 1  |      L_XSUMO;

```

```

87 0150 1 GLOBAL ROUTINE RM$XSUMO3 (XAB, FLAGS) : RL$XSUMO =
88 0151 1
89 0152 1 ++
90 0153 1
91 0154 1 FUNCTIONAL DESCRIPTION:
92 0155 1
93 0156 1
94 0157 1 This subroutine fills in the various fields in the summary xab
95 0158 1 by extracting info from the IFAB.
96 0159 1
97 0160 1 It also makes certain that there is only one summary XAB and if
98 0161 1 not jumps to an error routine in XAB_SCAN via a bliss/mars interface
99 0162 1 routine.
100 0163 1
101 0164 1
102 0165 1 CALLING SEQUENCE:
103 0166 1
104 0167 1 BSBW RM$XSUMO3
105 0168 1
106 0169 1 INPUT PARAMETERS:
107 0170 1
108 0171 1 R3 - (XAB), XAB address
109 0172 1 R4 - (flags), to make sure this is the only SUMMARY XAB
110 0173 1
111 0174 1 IMPLICIT INPUTS:
112 0175 1 IFAB -
113 0176 1 [AMAX] - number of areas
114 0177 1 [NUM_KEYS] - number of keys
115 0178 1 [PLG_VER] - prologue version
116 0179 1 [BIO] - open for block i/o if set
117 0180 1
118 0181 1 OUTPUT PARAMETERS:
119 0182 1 NONE
120 0183 1
121 0184 1 IMPLICIT OUTPUTS:
122 0185 1
123 0186 1 SUMMARY XAB fields filled in and RMSERR(IMX) status code
124 0187 1
125 0188 1 ROUTINE VALUE:
126 0189 1 NONE
127 0190 1
128 0191 1 SIDE EFFECTS:
129 0192 1 NONE
130 0193 1
131 0194 1 --
132 0195 1
133 0196 2 BEGIN
134 0197 2
135 0198 2 ! define common registers
136 0199 2
137 0200 2 EXTERNAL LITERAL
138 0201 2 XBC$C_OPNSUM3;
139 0202 2
140 0203 2 EXTERNAL REGISTER
141 0204 2 COMMON_FAB_STR;
142 0205 2
143 0206 2 MAP
```

```
.TITLE RM3XSUMO
.IDENT \V04-000\

.EXTRN XBC$C_OPNSUM3

.PSECT RMSRMS3,NOWRT, GBL, PIC,2
```

PC	Op	Op2	Op3	Op4	Op5	Op6	Op7	Op8	Op9	Op10	Op11	Op12	Op13	Op14	Op15	Op16	Op17	Op18	Op19	Op20	Op21	Op22	Op23	Op24	Op25	Op26	Op27	Op28	Op29	Op30	Op31	Op32	Op33	Op34	Op35	Op36	Op37	Op38	Op39	Op40	Op41	Op42	Op43	Op44	Op45	Op46	Op47	Op48	Op49	Op50	Op51	Op52	Op53	Op54	Op55	Op56	Op57	Op58	Op59	Op60	Op61	Op62	Op63	Op64	Op65	Op66	Op67	Op68	Op69	Op70	Op71	Op72	Op73	Op74	Op75	Op76	Op77	Op78	Op79	Op80	Op81	Op82	Op83	Op84	Op85	Op86	Op87	Op88	Op89	Op90	Op91	Op92	Op93	Op94	Op95	Op96	Op97	Op98	Op99	Op100	Op101	Op102	Op103	Op104	Op105	Op106	Op107	Op108	Op109	Op110	Op111	Op112	Op113	Op114	Op115	Op116	Op117	Op118	Op119	Op120	Op121	Op122	Op123	Op124	Op125	Op126	Op127	Op128	Op129	Op130	Op131	Op132	Op133	Op134	Op135	Op136	Op137	Op138	Op139	Op140	Op141	Op142	Op143	Op144	Op145	Op146	Op147	Op148	Op149	Op150	Op151	Op152	Op153	Op154	Op155	Op156	Op157	Op158	Op159	Op160	Op161	Op162	Op163	Op164	Op165	Op166	Op167	Op168	Op169	Op170	Op171	Op172	Op173	Op174	Op175	Op176	Op177	Op178	Op179	Op180	Op181	Op182	Op183	Op184	Op185	Op186	Op187	Op188	Op189	Op190	Op191	Op192	Op193	Op194	Op195	Op196	Op197	Op198	Op199	Op200	Op201	Op202	Op203	Op204	Op205	Op206	Op207	Op208	Op209	Op210	Op211	Op212	Op213	Op214	Op215	Op216	Op217	Op218	Op219	Op220	Op221	Op222	Op223	Op224	Op225	Op226	Op227	Op228	Op229	Op230	Op231	Op232	Op233	Op234	Op235	Op236	Op237	Op238	Op239	Op240	Op241	Op242	Op243	Op244	Op245	Op246	Op247	Op248	Op249	Op250	Op251	Op252	Op253	Op254	Op255	Op256	Op257	Op258	Op259	Op260	Op261	Op262	Op263	Op264	Op265	Op266	Op267	Op268	Op269	Op270	Op271	Op272	Op273	Op274	Op275	Op276	Op277	Op278	Op279	Op280	Op281	Op282	Op283	Op284	Op285	Op286	Op287	Op288	Op289	Op290	Op291	Op292	Op293	Op294	Op295	Op296	Op297	Op298	Op299	Op300	Op301	Op302	Op303	Op304	Op305	Op306	Op307	Op308	Op309	Op310	Op311	Op312	Op313	Op314	Op315	Op316	Op317	Op318	Op319	Op320	Op321	Op322	Op323	Op324	Op325	Op326	Op327	Op328	Op329	Op330	Op331	Op332	Op333	Op334	Op335	Op336	Op337	Op338	Op339	Op340	Op341	Op342	Op343	Op344	Op345	Op346	Op347	Op348	Op349	Op350	Op351	Op352	Op353	Op354	Op355	Op356	Op357	Op358	Op359	Op360	Op361	Op362	Op363	Op364	Op365	Op366	Op367	Op368	Op369	Op370	Op371	Op372	Op373	Op374	Op375	Op376	Op377	Op378	Op379	Op380	Op381	Op382	Op383	Op384	Op385	Op386	Op387	Op388	Op389	Op390	Op391	Op392	Op393	Op394	Op395	Op396	Op397	Op398	Op399	Op400	Op401	Op402	Op403	Op404	Op405	Op406	Op407	Op408	Op409	Op410	Op411	Op412	Op413	Op414	Op415	Op416	Op417	Op418	Op419
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RM3XSUMO  
V04-000

M 2  
16-Sep-1984 02:12:58  
14-Sep-1984 13:01:46

VAX-11 Bliss-32 V4.0-742  
DISK\$VMSMASTER:[RMS.SRC]RM3XSUMO.B32;1 Page 5  
(2)

00	08	AE	00000000G	8F	E2	00020	2\$:	RSB			
		50	04	AE	D0	00029	3\$:	BBSS	#XBC\$C	OPNSUM3, FLAGS, 3\$	0233
	08	A0	00B1	CA	B0	0002D		MOVL	XAB, R0		0237
	0A	A0	00B7	CA	9B	00033		MOVW	177(IFAB), 8(R0)		0239
		50		01	D0	00039	4\$:	MOVZBW	183(IFAB), 10(R0)		0244
					05	0003C		MOVL	#1, R0		0246
								RSB			

; Routine Size: 61 bytes, Routine Base: RM\$RMS3 + 0000

: 184 0247 1  
: 185 0248 1 END  
: 186 0249 1  
: 187 0250 0 ELUDOM

PSECT SUMMARY

Name	Bytes	Attributes
RM\$RMS3	61	NOVEC,NOWRT, RD , EXE,NOSHR, GBL, REL, CON, PIC,ALIGN(2)

Library Statistics

File	----- Total	Symbols Loaded	----- Percent	Pages Mapped	Processing Time
_\$255\$DUA28:[RMS.OBJ]RMS.L32;1	3109	27	0	154	00:00.4

COMMAND QUALIFIERS

; BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LIS\$:RM3XSUMO/OBJ=OBJ\$:RM3XSUMO MSRC\$:RM3XSUMO/UPDATE=(ENH\$:RM3XSUMO)

; Size: 61 code + 0 data bytes  
; Run Time: 00:03.0  
; Elapsed Time: 00:09.0  
; Lines/CPU Min: 5000  
; Lexemes/CPU-Min: 13140  
; Memory Used: 40 pages  
; Compilation Complete



0329

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